Remarks

In response to the Examiner's Office Action dated 11/15/05 and in concert with the Examiner/Applicant telephone interview dated 2/04/06, Applicant has elected within the instant invention independent claim 216, along with the associated dependent claims to claim 216, for prosecution in this patent application proceeding. In addition, and in concert with the agreement made with the Examiner, Applicant is providing to the Examiner a table including each claim elected, wherein said table identifies for the Examiner the location of enablement for each elected claim in the instant specification, while identifying for each elected claim the instant figure(s) for enablement.

As Applicant previously filed a PCT Application (PCT/ US 03/11250), which is listed in this proceeding as a priority document to this instant invention application, Applicant is currently in the stage of examination for a national phase application in Great Britain from said PCT Application. Further as, the Examiner for said examination in Great Britain performed a search in furtherance of the previous U.S. PCT application search, an additional IDS is provided to the Examiner in this proceeding. As said IDS is being provided to the U.S. Examiner according to 37 CFR 1.97 and prior to an office action on the merits of the instant invention claims by the Examiner; therefore, Applicant is not required to pay an additional fee to the USPTO for said IDS.

Marked-up Set of Claims (According to 37 CFR 1.121(c))

Claims 1 – 215 (Canceled)

216. (Currently amended) An engine comprising a fuel mixture of oxygen, as O_2, and hydrogen, as H_2, wherein

said oxygen and hydrogen are combusted in a combustion chamber, and wherein

the temperature of said combustion or of said combustion chamber~~temperature~~ is at least partially controlled with the addition of water to said combustion chamber.

217. (Original) The engine of claim 216, wherein mechanical rotating energy is created.

218. (Previously amended) The engine of claim 217, wherein said rotating mechanical energy turns a generator to create electrical energy.

219. (Currently amended) The engine of claim 216, wherein the steam produced by combustion turns a steam turbine, and wherein

said steam turbine turns a generator to create electrical energy.

220. (Original) The engine of claim 216, wherein heat is created.

221. (Canceled)

222. (Currently amended) The engine of claim 218 or 219, wherein at least a portion of said electrical energy is used in the electrolysis of water to hydrogen and oxygen, and wherein

at least a portion of at least one of said hydrogen and oxygen is used ~~as fuel~~ in said engine.

223. (Original) The engine of claim 216, wherein nitrogen or argon is in said fuel mixture.

224. (Currently amended) The engine of claim 216, wherein said oxygen further comprises air ~~is at least partially used~~.

225. (Original) The engine of claim 216, wherein at least a portion of the steam produced by combustion is converted to hydrogen by the corrosion of at least one metal.

226. (Original) The engine of claim 225, wherein the conversion of said steam into said hydrogen is increased by an electrical current in said metal(s).

227. (Previously amended) The engine of claim 225 or 226, wherein said hydrogen is at least partially used as fuel in said engine.

228. (Currently amended) The engine of claim 216, wherein a generator turns due to the movement of air or water, and wherein

said generator creates electrical energy, and wherein

said electrical energy is at least partially utilized in the electrolysis of water to hydrogen and oxygen, and wherein

at least a portion of at least one of said hydrogen and oxygen is used ~~as fuel~~ in said engine.

229. (Currently amended) The engine of claim 216, wherein a photovoltaic cell creates electrical energy, and wherein

said electrical energy is at least partially used in the electrolysis of water to hydrogen and oxygen, and wherein

at least a portion of at least one of said hydrogen and oxygen is used ~~as fuel~~ in said engine.

230. (Currently amended) The engine of claim 216, ~~incorporating~~further comprising a cryogenic air separation unit, wherein

at least a portion of the energy of combustion powers at least a portion of said cryogenic air separation unit.

231. (Currently amended) The engine of claim 230, wherein at least a portion of the nitrogen separated from air in said cryogenic air separation unit is used to cool any portion of at least one selected from a list consisting of: said cryogenic air separation unit, the storage of oxygen, the storage of hydrogen, electrolysis, coolant for said engine, said engine and any combination thereof.

232. (Original) The engine of claim 230, wherein the nitrogen separated from air in said cryogenic air separation unit is at least partially used to cool air or water.

233. (Currently amended) The engine of claim 216, ~~incorporating~~further comprising a membrane air separation unit, wherein

at least a portion of the energy of combustion powers at least a portion of said membrane air separation unit.

234. (Currently amended) The engine of claim 216, ~~incorporating~~further comprising a PSA air separation unit, wherein

at least a portion of the energy of combustion powers at least a portion of said PSA air separation unit.

235. (Original) The engine of claim 230, 233 or 234, wherein the oxygen separated from air is at least one of enriched oxygen, pure oxygen and very pure oxygen.

236. (Currently amended) The engine of claim 230, 233 or 234, wherein at least a portion the oxygen separated from air is used ~~as fuel~~ in said engine.

237. (Currently amended) The engine of claim 216, wherein at least one selected from a list consisting of a: corrosion inhibitor, chelant, dispersant and any combination therein is added to at least a portion of the water in said engine.

238. (Original) The engine of claim 216, wherein said engine performs at least one of: internal, turbine and heating combustion.

239. (Currently amended) The engine of claim 216, wherein at least one of oxygen and hydrogen is stored in at [[lest]]least one of a cooled gas state and a liquid state by liquefaction.

240. (Previously amended) The engine of claim 239, wherein compressor(s) for at least one of cooling and liquefaction is powered by at least one of said engine and a fuel cell.

241. (Previously amended) The engine of claim 240, wherein said fuel cell is powered by hydrogen and at least one of oxygen and air.

242. (Previously amended) The engine of claim 216, wherein at least one of said hydrogen and oxygen is stored in a mixture with frozen water crystals to form a gel.

243. (Previously amended) The engine of claim 216, wherein at least one selected form a list consisting of: hydrogen, oxygen and water are preheated prior to combustion with the energy from at least one selected from a list consisting of: ambient temperature, said engine, said engine exhaust, an electrical radiant heat source and any combination therein.

244. (Previously amended) The engine of claim 217, wherein said mechanical rotating energy from said engine enters a transmission, wherein

said transmission engage in a manner that is inversely proportional to at least one of the torque and work output of said engine, and wherein

said transmission output mechanical rotating energy turn a generator to create electrical energy.

245. (Original) The engine of claim 244, wherein said transmission engage a flywheel capable of storing rotational kinetic energy, wherein

said flywheel turns said generator.

246. (Original) The engine of claim 244, wherein at least a portion of said electrical energy is used in the electrolysis of water to hydrogen and oxygen.

247. (Currently amended) The engine of claim 246, wherein at least one of said hydrogen and oxygen is used ~~as fuel~~ in said engine.

248. (Previously amended) The engine of claim 216 or 219, wherein a pressure control device is in said engine exhaust.

249. (Currently amended) The engine of claim 216, wherein at least one of said engine combustion heat energy and said engine exhaust energy is used to heat at least one of a gas and a liquid.

250. (Previously amended) The engine of claim 249, wherein at least one of the gas is air and the liquid is water.

251. (Original) The engine of claim 250, wherein said exhaust discharge directly into said air or water.

252. (Currently amended) The engine of claim 216 or 230, wherein at least a portion of said engine is insulated.

253. (Original) The engine of claim 230, wherein hydrogen is separated.

254. (Original) The engine of claim 216, wherein said oxygen is at least one of: enriched oxygen, pure oxygen and very pure oxygen.

255. (Canceled)

256. (Currently amended) The engine of claim 216, wherein the temperature of at least one of the combustion chamber and of combustion is at least partially controlled with air to combustion in excess over that required to perform combustion~~, wherein said excess air reduces at least one of the combustion temperature and the formation of nitrogen oxides~~.

257. (Canceled)

258. (Original) The engine of claim 216, wherein the temperature of said engine exhaust is at least partially cooled with water.

259. (Currently amended) The engine of claim 256, ~~257~~ or 258, comprising jet propulsion.

260. (Currently amended) The engine of claim 216, 254, ~~266, 257~~256 or 258, comprising rocket propulsion.

Claims 261 - 341 (Withdrawn)

342. (New) The engine of claim 230, 233 or 234, wherein said engine comprises a turbine.

Enablement of the Claims

Claim	Status	Specification	Figures
1-215	Canceled	N/A	N/A
216	Currently amended	p. 1 lines 25-34, p. lines 5-21, p. 16 lines 19-30, p. 17 line 17- p. 18 line 18, p. 27 lines 12-22, p. 40 line 10 to p. 43 line 5, p. 47 line 22 – p. 50 line 13.	2A, 3-18, 21A
217	Original	p. 1 line 35 – p. 2 line 2, p. 2 lines 22-29, p. 21 line 11 – page 22 line 2, p. 31 line 10 – p. 32 line 1, p. 43 line 26 – p. 44 line 1	2A, 3-18, 21A
218	Previously amended	p. 2 lines 22-29, p. 21 line 11 – page 22 line 2, p. 31 line 10 – p. 32 line 1, p. 43 line 26 – p. 44 line 1	2A, 3, 6-8, 10, 11, 14, 15-18, 21A
219	Currently amended	p. 2 lines 22-29, p. 21 line 11 – page 22 line 2, p. 31 line 10 – p. 33 line 3, p. 43 line 26 – p. 44 line 1	2A, 3, 6-8, 10, 11, 15-18, 21A
220	Original	p. 1 line 35 to p. 2 line 14, p. 14 lines 27-30, p. 15 line 28 – p. 16 line 6, p. 17 lines 1-16, p. 27 line 12 – p. 28 line 22, p. 31 lines 10-18, p. 33 line 18 – p. 34 line 16, p. 35 line 24 – p. 36 line 15, p. 4 line 15 – p. 50 line 13	2A, 3-18, 21A
221	Canceled	N/A	N/A
222	Currently amended	p. 3 lines 3-7, p. 11 line 13 – p. 12 line 21, p. 15 lines 7-9, p. 15 lines 18-27, p. 18 line 23 – p. p. 19 line 13, p. 21 line 5 – p. 22 line 2, p. 30 line 26 – p. 32 line 1, p. 32 line 15 – p. 33 line 15, p. 34 lines 7-16	2A, 3, 6-8, 10, 11
223	Original	p. 1 line 35 – p. 2 line 4	2A, 3-18, 21, 21A
224	Currently amended	p. 1 lines 25-34, p. 2 lines 15-21, p. 11 line 21 – p. 12 line 3, p. 15 lines 1-4, p. 15 lines 10-14, p. 17 lines 18-30, p. 27 lines 12-22, p. 27 line 23 – [. 28 line 22, p. 40 line 16 – p. 43 line 5, p. 47 line 23 – p. 50 line 13	2A, 3-18, 21A
225	Original	p. 11 lines 5-8, p. 20 line 15 – p. 21 line 4, p. 30 lines 11-25, p. 43 lines 13-17	2A, 4, 6, 8, 11-14, 17, 18
226	Original	p. 11 lines 5-8, p. 20 line 15 – p. 21 line 4, p. 30 lines 11-25, p. 43 lines 13-17	2A, 4, 6, 8, 11-14, 17, 18
227	Previously amended	p. 11 lines 5-8, p. 20 line 15 – p. 21 line 4, p. 30 lines 11-25, p. 43 lines 13-17	2A, 4, 6, 8, 11-14, 17, 18
228	Currently amended	p. 34 line 18 – p. 35 line 9	2A, 3, 6-8, 10, 11, 22, 23, 23A
229	Currently amended	p. 2 line 22 – p. 3 line 2, p. 12 lines 16-26, p. 18 line 23 – p. 19 line 13, p. 21 line 11 – p. 22 line 2, p. 35 lines 11-14	2A, 3, 6-8, 10, 11
230	Currently amended	p. 3 lines 8-17, p. 7 line 13 – p. 10 line 17, p. 15 lines 18-27, p. 19 line 14 – p. 20 line 6, p. 28 line 23 – p. 29 line 17	2A, 5, 7, 8, 12, 15, 17, 21A
231	Currently amended	p. 7 line 13 – p. 10 line 17, p. 19 line 14 – p. 20 line 6, p. 36 lines 17-30	2A, 5, 7, 8, 12, 15, 17, 20, 21A
232	Original	p. 36 lines 17-30	N/A

233	Currently amended	p. 3 lines 8-17, p. 7 lines 11-12, p. 10 lines 19-25, p. 15 lines 18-27, p. 19 lines 14-22, p. 20 lines 7-10, p. 29 lines 18-27, p. 30 lines 5-10, p. 32 lines 2-14, p. 43 lines 6-12	2A, 9, 10, 11, 13, 16, 18, 21A
234	Currently amended	p. 3 lines 8-17, p. 7 lines 11-12, p. 10 line 29 – p. 11 line 2, p. 15 lines 18-27, p. 19 lines 14-22, p. 20 lines 11-14, p. 29 line 28 – p. 30 line 4, p. 30 lines 5-10, p. 43 lines 6-12	2A, 9, 10, 11, 13, 16, 18, 21A
235	Original	p. 3 lines 8-17, p. 55 lines 28-29	2A, 5, 7-13, 15-18, 21A
236	Currently amended	p. 3 lines 8-17, p. 7 lines 11-12, p. 10 line 29 – p. 11 line 2, p. 15 lines 18-27, p. 19 lines 14-22, p. 20 lines 7-14, p. 29 line 18 – p. 30 line 4, p. 30 lines 5-10, p. 32 lines 2-14, p. 43 lines 6-12	2A, 5, 7-13, 15-18, 21A
237	Currently amended	p. 37 line 1 – p. 39 line 17	N/A
238	Original	p. 1 line 35 – p. 2 line 4, p. 56 lines 6-7	2A, 3-18, 21A
239	Currently amended	p. 32 lines 2-14, p. 55 lines 18-21, p. 56 lines 8-9	2A, 3, 5-13, 15-18, 20
240	Previously amended	p. 32 lines 2-14, p. 56 lines 10-11	2A, 3-18
241	Previously amended	p. 32 lines 2-14, p. 56 lines 12-13	N/A
242	Previously amended	p. 18 lines 19-22, p. 47 line 22 – p. 50 line 13, p. 56 lines 14-15	N/A
243	Previously amended	p. 27 lie 23 – p. 28 line 22, p. 56 lines 16-19	19
244	Previously amended	p. 21 line 17 – p. 22 line 2, p. 31 line 10 – p. 32 line 1, p. 56 lines 20-25	2A, 3, 6-8, 10, 11
245	Original	p. 31 line 10 – p. 32 line 1, p. 56 lines 26-28	2A, 3, 6-8, 10, 11
246	Original	p. 2 line 22 – p. 3 line 7, p. 11 line 13 – p. 12 line 3, p. 15 lines 7-9, p. 21 lines 5-10, p. 21 line 17 – p. 22 line 2, p. 31 line 10 – p. 32 line 1, p. 56 lines 20-25	2A, 3, 6-8, 10, 11
247	Currently amended	p. 2 line 22 – p. 3 line 7, p. 11 line 13 – p. 12 line 3, p. 15 lines 7-9, p. 21 lines 5-10, p. 21 line 17 – p. 22 line 2, p. 31 line 10 – p. 32 line 1, p. 56 lines 20-25	2A, 3, 6-8, 10, 11
248	Previously amended	p. 39 line19 – p. 40 line 7, p. 57 lines 3-4	2A, 3, 4, 6-8, 10-18, 21A, 24
249	Currently amended	p. 35 line 24 – p. 26 line 15, p. 57 lines 5-6	19
250	Previously amended	p. 35 line 24 – p. 26 line 15, p. 57 lines 7-8	N/A
251	Original	p. 35 line 24 – p. 26 line 15, p. 57 lines 9-10	N/A
252	Currently amended	p. 32 line 15 – p. 33 line 3, p. 44 line 20 – p. 45 line 4, p. 57 line 11	N/A

253	Original	p. 57 line 12	2A, 7, 8, 12, 17
254	Original	p. 3lines 8-17	2A, 3-18, 21A
255	Canceled	N/A	N/A
256	Currently amended	p. 1 lines 25-34, p. 2 lines 15-21, p. 11 line 21 – p. 12 line 3, p. 15 lines 1-4, p. 17 lines 18-30, p. 27 lines 12-22, p. 27 line 23 – [. 28 line 22, p. 40 line 16 – p. 43 line 5, p. 47 line 23 – p. 50 line 13	2A, 3-18
257	Canceled	N/A	N/A
258	Original	p. 47 line 22 – p. 50 line 13, p. 57 lines 15-16	N/A
259	Currently amended	p. 47 line 22 – p. 50 line 13	4, 6, 14
260	Currently amended	p. 47 line 22 – p. 50 line 13	N/A
261-341	Withdrawn	N/A	N/A
342	New	p. 1 line 35 – p. 2 line 4, p. 11 line 21 – p. 12 line 3, p. 18 line 23 – p. 19 line 13, p. 27 lines 12-22, p. 33 line 17 – p. 34 line 16, p. 44 line 20 – p. 45 line 4, p. 46 line 8 – p. 47 line 13	

CONCLUSION

The claim amendments and claims withdrawn herein, in combination with fees already paid, place this application for patent in a position for review by the Examiner. Applicant respectfully requests that the Examiner proceed with an examination of this patent application based upon the merits of the patent application.

Respectfully submitted,

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				Examiner Name	Nguyen, Hoang M.
Sheet	1	of	1	Attorney Docket Number	CV-49

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Examiner Signature		Date Considered	